SEQUENCE LISTING

- <110> Evotec NeuroSciences GmbH Von Der Kammer, Heinz Pohlner, Johannes
- <120> DIAGNOSTIC AND THERAPEUTIC USE OF A SULFOTRANSFERASE FOR NEURODEGENERATIVE DISEASES
- <130> 2335.0140000/SRL/KPQ
- <150> PCT/EP2004/052353
- <151> 2004-09-29
- <150> 60/506,775
- <151> 2003-09-30
- <160> 22
- <170> PatentIn Ver. 2.1
- <210> 1
- <211> 21
- <212> DNA
- <213> Artificial Sequence
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- <223> Description of Artificial Sequence:primer for the human SULT4A1 splice variant 1 and splice variant 2 gene
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21

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<213> Homo sapiens

<400> 17

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Gly Lys Met Glu Glu Ile Ala Asn Phe Pro Val Arg Pro Ser Asp Val
35 40 45

Trp Ile Val Thr Tyr Pro Lys Ser Gly Thr Ser Leu Leu Gln Glu Val
50 55 60

Val Tyr Leu Val Ser Gln Gly Ala Asp Pro Asp Glu Ile Gly Leu Met
65 70 75 80

Asn Ile Asp Glu Gln Leu Pro Val Leu Glu Tyr Pro Gln Pro Gly Leu
85 90 95

Asp Ile Ile Lys Glu Leu Thr Ser Pro Arg Leu Ile Lys Ser His Leu 100 105 110

Pro Tyr Arg Phe Leu Pro Ser Asp Leu His Asn Gly Asp Ser Lys Val

Ile Tyr Met Ala Arg Asn Pro Lys Asp Leu Val Val Ser Tyr Tyr Gln 130 135 140

Phe His Arg Ser Leu Arg Thr Met Ser Tyr Arg Gly Thr Phe Gln Glu 145 150 155 160

Phe Cys Arg Arg Phe Met Asn Asp Lys Leu Gly Tyr Gly Ser Trp Phe 165 170 175

Glu His Val Gln Glu Phe Trp Glu His Arg Met Asp Ser Asn Val Leu 180 185 190 Phe Leu Lys Tyr Glu Asp Met His Arg Asp Leu Val Thr Met Val Glu 195 200 205

Gln Leu Ala Arg Phe Leu Gly Val Ser Cys Asp Lys Ala Gln Leu Glu 210 215 220

Ala Leu Thr Glu His Cys His Gln Leu Val Asp Gln Cys Cys Asn Ala 225 230 235 240

Glu Ala Leu Pro Val Gly Arg Gly Arg Val Gly Leu Trp Lys Asp Ile 245 250 255

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<212> PRT

<213> Homo sapiens

<400> 18

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35 40 45

Trp Ile Val Thr Tyr Pro Lys Ser Val Gly Tyr Gly Ser Trp Phe Glu
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His Val Gln Glu Phe Trp Glu His Arg Met Asp Ser Asn Val Leu Phe

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Leu Lys Tyr Glu Asp Met His Arg Asp Leu Val Thr Met Val Glu Gln
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Leu Thr Glu His Cys His Gln Leu Val Asp Gln Cys Cys Asn Ala Glu 115 120 125

Ala Leu Pro Val Gly Arg Gly Arg Val Gly Leu Trp Lys Asp Ile Phe 130 135 140

Thr Val Ser Met Asn Glu Lys Phe Asp Leu Val Tyr Lys Gln Lys Met 145 150 155 160

Gly Lys Cys Asp Leu Thr Phe Asp Phe Tyr Leu 165 170

<210> 19

<211> 2419

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:nucleotide
 sequence of human SULT4A1 cDNA, splice variant 1

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<213> Artificial Sequence

<223> Description of Artificial Sequence:nucleotide sequence of human SULT4A1 cDNA, splice variant 2

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